

**IN THE CLAIMS**

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Please replace all prior versions, and listings, of claims in the application with the following complete list of claims. Insertions are indicated by underlining and deletions are indicated by strikeouts and/or double bracketing.

*4/15/07* 1-156. (Cancelled).

157. (Currently Amended) A system as in claim ~~174~~ 163, further comprising means for controlling the temperature of the chamber to maintain a temperature suitable for cultivating cells to generate the protein resulting from interaction of the cells with oxygen and/or nutrients and/or other components.
158. (Currently Amended) A system as in claim ~~174~~ 163, the chamber having a volume of less than about 100 microliters.
159. (Previously Presented) A system as in claim 158, the chamber having a volume of less than about 10 microliters.
160. (Previously Presented) A system as in claim 159, the chamber having a volume of less than about 1 microliter.
161. (Currently Amended) A system as in claim ~~174~~ 163, further comprising a mixing unit fluidly connectable to the inlet of the chamber, the mixing unit including an outlet connectable to the inlet of the reaction chamber, a plurality of inlets each in fluid communication with the outlet and a mixing chamber between plurality of inlets and of the outlet.
162. (Previously Presented) A system as in claim 161, wherein the mixing unit chamber is free of active mixing elements.